



RECEIVED

MAR 28 1990

GROUP 150

Sheet 1 of 1

FORM PTO
REV. 7-80U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

CRP-001CP3

SERIAL NO.

422,699

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT

Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NMN	AA	4 2 9 4 7 5 3	10/81	Urist	530 260	840 112	
NMN	AB	4 4 3 4 0 9 4	02/84	Seyedin et al.	530 260	840 112	
NMN	AC	4 4 5 5 2 5 6	06/84	Urist	530 260	840 112	
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
							YES NO
NMN	AL	8 8 0 0 2 0 5	1-88	(WO PCT)	—	—	— —
NMN	AM	0 1 4 8 1 5 5	7-85	EP	—	—	— —
NMN	AN	0 2 1 2 4 7 4	3-87	EP	—	—	— —
NMN	AO	8 9 - 1 0 4 0 9	11-89	(WO/PCT)	—	—	— —
	AP						

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

NMN	AR	Canalis et al., Science 210: 1021-1023 (1980)
NMN	AS	Glowacki et al., Lancet 1: 959-963 (1981)
NMN	AT	Reddi, Collagen Rel. Res. 1: 209-226 (1981)

EXAMINER

Clutton M Clutton

DATE CONSIDERED

4-90

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



RECEIVED
MAR 28 1990
GROUP 150

Sheet 2 of 7

FORM PTO. 1449
REV. 7-80

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

CRP-001 CP3

422,699

APPLICANT

Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROF
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATC YES
AL					
AM					
AN					
AO					
AP					

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

NMN	AR	Sampath et al., <u>Proc. Natl. Acad. Sci. USA</u> 78:7599-7603 (1981)
NMN	AS	Farley et al., <u>Biochem.</u> 21:3508-3513 (1982)
NMN	AT	Urist et al., <u>Proc. Soc. Exp. Bio. Med.</u> 173:194-199 (1983)

EXAMINER

Walter W. Walter

DATE CONSIDERED

4-90

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



RECEIVED
MAR 28 1990
GROUP 150

FORM PTO. 1449
REV. 7-80

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

Sheet 3 of 7

SERIAL NO.

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

CRP-001 CP3

422,699

APPLICANT

Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROP
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION
	AL						YES
	AM						
	AN						
	AO						
	AP						

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

NMN	AR	Sampath et al., <u>Proc. Natl. Acad. Sci. USA</u> 80:6591-6595 (1983)
NMN	AS	Urist et al., <u>Clin. Orth. Rel. Res.</u> 187:277-280 (1984)
NMN	AT	Urist et al., II, <u>Proc. Natl. Acad. Sci. USA</u> 81:371-375 (1984)

EXAMINER

Walter M. Wirth

DATE CONSIDERED

4-90

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO. 1449
REV. 7-80U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

Sheet 4 of 7

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

ATTY. DOCKET NO.

SERIAL NO.

CRP-001 CP3

422,699

APPLICANT

Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING D. IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATED YES
AL					
AM					
AN					
AO					
AP					

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

NMN	AR	Reddi, J., <u>Bioned. Mat. Res.</u> 19:233-239 (1985)
NMN	AS	Seyedin et al., <u>Proc. Natl. Acad. Sci. USA</u> 82:2267-2271 (1985)
NMN	AT	Klausner, <u>Biotechnology</u> 3:567-568 (1985)

EXAMINER

Kathleen M. Kutt

DATE CONSIDERED

4-90

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 5 of 7FORM PTO. 1449
REV. 7-80U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

CRP-001 CP3

422,699

APPLICANT
Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATED YES
AL					
AM					
AN					
AO					
AP					

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

NMN	AR	Centrella et al., <u>Proc. Natl. Acad. Sci. USA</u> 82:7335-7339 (1985)
NMN	AS	Sampath et al., <u>Extracellular Matrix: Structure and Function</u> (A.H. Reddi, Ed.) Allen R. Liss, Publ. NY pp. 412-428 (1985)
NMN	AT	Weeks et al., <u>Cell</u> 51:861-867 (1987)

EXAMINER

Hartman M. Hutter

DATE CONSIDERED

4-90

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



RECEIVED

MAR 28 1990

GROUP 150

Sheet 6 of 7

FORM PTO. 1449
REV. 7-80U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

CRP-001 CP3

422,699

APPLICANT
Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROP
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATC YES
AL					
AM					
AN					
AO					
AP					

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

NMN	AR	Sampath et al., <u>Proc. Natl. Acad. Sci. USA</u> 84:7109-7113 (1987)
NMN	AS	LeGendre et al., <u>Biotechniques</u> 6:154-159 (1988)
NMN	AT	Wang et al., <u>Calcified Tissue Int.</u> (Supplement) Ab. No. 146; pp. A37 (1988)

EXAMINER

Nathan M. Nathan

DATE CONSIDERED

4-90

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.



RECEIVED
MAR 28 1990
GROUP 153

Sheet 7 of 7

FORM PTO.
REV. 7-80

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTORNEY'S CASE NO.

SERIAL NO.

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

CRP-001 CP3

422,699

APPLICANT

Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DA IF APPROPP
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATIC YES
AL					
AM					
AN					
AO					
AP					

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

NMN	AR	Wozney et al., <u>Calcified Tissue Int.</u> (Supplement) Ab. No. 147, pp. A37 (198
	AS	Wang et al., II, <u>Proc. Natl. Acad. Sci. USA</u> 85:9484-9488 (1988) missing
NMN	AT	Wozney et al., II, <u>Science</u> 242:1528-1534 (1988)

EXAMINER

Nathan M. Wuth

DATE CONSIDERED

4-90

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

RECEIVED
MAR 26 1990

FORM PTO. 1449
REV. 7-80

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

GROUP 150



LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

APPV. DOCKET NO. CRP-001-CPIII	SERIAL NO. 422,699
APPLICANT Rueger et al.	
FILING DATE October 17, 1989	GROUP 158 153

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
						YES	NO
AL							
AM							
AN							
AO							
AP							

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

NMN	AR	Simpson, Trends Biochem. Sci. 9:527-530 (1984)
	AS	Maugh, Science 217:819 (1982) missing
NMN	AT	Padgett et al., Nature 325:81-84 (1987)

EXAMINER Walter M. Hutter	DATE CONSIDERED 4-20
------------------------------	-------------------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO-1449
REV. 7-80

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

CRP-001-CPIII

SERIAL NO.

422,699

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

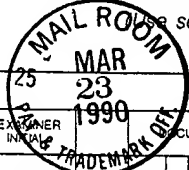
Rueger et al.

FILING DATE

October 17, 1989

GROUP

~~150~~ 153



U.S. PATENT DOCUMENTS

EXAMINER INITIALS	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
NMN	4 3 9 4 - 3 7 0	07/83	Jefferies	424	15	09/21/81
NMN	AB 4 5 6 3 4 8 9	01/86	Urist	524	21	02/10/84
NMN	AC 4 5 6 3 3 5 0	01/86	Nathan et al.	424	95	10/24/84
NMN	AD 4 8 7 7 8 6 4	10/89	Wang et al	530	324	
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					
	AK					

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
NMN	AL	0 1 8 2 4 8 3	5-86	EPO	—	—	—	—
NMN	AM	8 6 0 0 5 2 6	1-86	PCT (WO)	—	—	—	—
NMN	AN	8 5 0 5 2 7 4	12-85	PCT (WO)	—	—	—	—
NMN	AO	0 1 6 9 0 1 6	1-86	EPO	—	—	—	—
NMN	AP	0 1 2 8 0 4 1	12-84	EPO	—	—	—	—

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

NMN	AR	Colowick et al., Methods in Enzymology 146:294-312 (1987)
NMN	AS	Olson et al., Analyt. Biochem. 146:232-237 (1985)
NMN	AT	Seyedin et al., J. Cell Biol. 97:1950-1953 (1983)

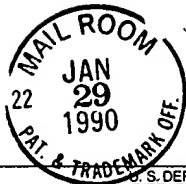
EXAMINER

H. Nutter

DATE CONSIDERED

4-90

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

Sheet 1 of 8FORM PTO. 1449
REV. 7-80U.S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

CRP-001CP3

SERIAL NO.

422,699

LIST OF REFERENCES CITED BY APPLICANT

(Use several sheets if necessary)

APPLICANT

Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

*EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA	4 2 9 4 7 5 3	10/81	Urist	260	112	
	AB	4 4 3 4 0 9 4	02/84	Seyedin et al.	260	112	
	AC	4 4 5 5 2 5 6	06/84	Urist	260	112	
	AD	4 8 7 7 8 6 4	10/89	Wang et al.	514	324	
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL	8 8 0 0 2 0 5		(WO PCT)				
	AM	0 1 4 8 1 5 5		EP				
	AN	0 2 1 2 4 7 4		EP				
NMN	AO	8 9 0 9 6 0 5	10-89	(WO PCT)				
NMN	AP	8 9 1 0 4 0 9	11-89	(WO PCT)				

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Canalis et al., Science 210: 1021-1023 (1980)	previously cited
	AS	Glowacki et al., Lancet 1: 959-963 (1981)	previously cited
	AT	Reddi, Collagen Rel. Res. 1: 209-226 (1981)	previously cited


EXAMINER

G. Muth

DATE CONSIDERED

4-90

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO. 1449 REV. 7-80		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. CRP-001 CP3		SERIAL NO. 422,699	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Rueger et al.		GROUP 153	
				FILING DATE October 17, 1989			
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	Sampath et al., Proc. Natl. Acad. Sci. USA 78:7599-7603 (1981) previously cited					
	AS	Farley et al., Biochem. 21:3508-3513 (1982) 11					
	AT	Urist et al., Proc. Soc. Exp. Bio. Med. 173:194-199 (1983) 4					
EXAMINER				DATE CONSIDERED			
				4-90			
<small>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							

FORM PTO. 1448
REV. 7-80U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

CRP-001 CP3

422,699

APPLICANT

Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Ganpath et al., Proc. Natl. Acad. Sci. USA 80:6591-6595 (1983)
	AS	Urist et al., Clin. Orth. Rel. Res. 187:277-280 (1984)
	AT	Urist et al., II, Proc. Natl. Acad. Sci. USA 81:371-375 (1984)

all
previously
cited

EXAMINER

U M Nutt

DATE CONSIDERED

4-20

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO. 1449 REV. 7-80	U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DOCKET NO. CRP-001 CP3	SERIAL NO. 422,699
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)		APPLICANT Rueger et al.	
		FILING DATE October 17, 1989	GROUP 153

U.S. PATENT DOCUMENTS									
EXAMINER INITIAL		DOCUMENT NUMBER					DATE	NAME	CLASS SUBCLASS
	AA								
	AB								
	AC								
	AD								
	AE								
	AF								
	AG								
	AH								
	AI								
	AJ								
	AK								

FOREIGN PATENT DOCUMENTS									
		DOCUMENT NUMBER					DATE	COUNTRY	CLASS SUBCLASS
	AL								
	AM								
	AN								
	AO								
	AP								

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)									
	AR		Reddi, J., Biomed. Mat. Res. 19:233-239 (1985)						
	AS		Seyedin et al., Proc. Natl. Acad. Sci. USA 82:2267-2271 (1985)						
	AT		Klausner, Biotechnology 3:567-568 (1985)						

all
previously
cited

EXAMINER 	DATE CONSIDERED 11-90
--------------	--------------------------

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO. 1449
REV. 7-80

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

CRP-001 CP3

422,699

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT

Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Centrella et al., Proc. Natl. Acad. Sci. USA 82:7335-7339 (1985)
	AS	Sampath et al., Extracellular Matrix: Structure and Function (A.H. Reddi, Ed.)
		Allen R. Liss, Publ. NY pp. 412-428 (1985)
	AT	Weeks et al., Cell 51:861-867 (1987)

all previously
cited

EXAMINER

H. M. Nutter

DATE CONSIDERED

4-90

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO. 1449
REV. 7-80

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

CRP-001 CP3

422,699

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT

Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						

FOREIGN PATENT DOCUMENTS

		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
							YES	NO
	AL							
	AM							
	AN							
	AO							
	AP							

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AR	Sampath et al., Proc. Natl. Acad. Sci. USA 84:7109-7113 (1987)
	AS	LeCendre et al., Biotechniques 6:154-159 (1988)
	AT	Wang et al., Calcified Tissue Int. (Supplement)-Ab. No. 146, pp. A37 (1988)

all previously cited

EXAMINER

U M Mutter

DATE CONSIDERED

4-90

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO. 1449
REV. 7-80

U. S. DEPARTMENT OF COMMERCE
PATENT AND TRADEMARK OFFICE

ATTY. DOCKET NO.

SERIAL NO.

CRP-001 CP3

422,699

LIST OF REFERENCES CITED BY APPLICANT
(Use several sheets if necessary)

APPLICANT

Rueger et al.

FILING DATE

October 17, 1989

GROUP

153

U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
AA						
AB						
AC						
AD						
AE						
AF						
AG						
AH						
AI						
AJ						
AK						

FOREIGN PATENT DOCUMENTS

TRANSLATION DOCUMENTS														
		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION	
													YES	NO
	AL													
	AM													
	AN													
	AO													
	AP													

OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)

AR	Wozney et al., Calcified Tissue Int. (Supplement) Ab. No. 147, pp. A37 (1988) <i>previously cited</i>
AS	Wang et al., II, Proc. Natl. Acad. Sci. USA 85:9484-9488 (1988) <i>missing</i>
AT	Wozney et al., II, Science 242:1528-1534 (1988) <i>previously cited</i>

EXAMINER

Y M Wutt

DATE CONSIDERED

4-90

* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

FORM PTO. 1449 REV. 7-80		U. S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE		ATTY. DOCKET NO. CRP-001CP3		SERIAL NO. 422,699	
LIST OF REFERENCES CITED BY APPLICANT (Use several sheets if necessary)				APPLICANT Rueger, et al.			
				FILING DATE October 17, 1989		GROUP 153	
U.S. PATENT DOCUMENTS							
EXAMINER INITIAL		DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
	AA						
	AB						
	AC						
	AD						
	AE						
	AF						
	AG						
	AH						
	AI						
	AJ						
	AK						
FOREIGN PATENT DOCUMENTS							
		DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO
	AL						
	AM						
	AN						
	AO						
	AP						
OTHERS (Including Author, Title, Date, Pertinent Pages, Etc.)							
	AR	Lyons et al., Proc. Natl. Acad. Sci. USA 86: 4554-4558 (1989)					
		<i>Missing</i>					
	AS						
	AT						
EXAMINER <i>W M Mutter</i>				DATE CONSIDERED <i>4-90</i>			
<small>* EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.</small>							